



NUCLEAR ENERGY INSTITUTE

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August 10, 2007

Mr. Patrick M. Madden
Deputy Director
Division of New Reactor Licensing
New Reactors Office
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Confirmation of Plans for Development of Additional Generic Templates for COLA FSAR Chapter 11 and 12

Project Number: 689

Dear Mr. Madden:

This letter is to confirm the understandings reached with NRC staff at the joint AP1000/ESBWR DCWG public meeting on July 24 regarding submittal of additional generic templates on radwaste and radiation protection programs and related FSAR content. As discussed at that meeting, we request the staff confirm these understandings via written response to this letter as soon as possible.

NEI has submitted several generic templates on operational program descriptions for NRC review and approval via Safety Evaluation Report (SER). These activities are proving effective in establishing standardized Combined License (COL) application content that will require little or no further NRC review when referenced as part of individual COL applications. At the July 24 public meeting, development of four additional generic templates in the following areas was discussed:

- Offsite Dose Calculation Manual Program (ODCM), including Radiological Effluent Technical Specifications (RETS) and Radiological Effluent Monitoring Program (REMP)
- Process Control Program (PCP)
- FSAR Section 12.1 on ALARA
- Cost-benefit analysis required by 10 CFR Part 50, Appendix I, of practicable options for radioactive waste processing as part of the demonstration that radiation doses will be ALARA

The following describes our understanding of the path forward in these areas agreed to at the July 24 meeting:

- 1) NEI will coordinate with all DCWGs to develop generic template descriptions for the radiological effluent programs and related FSAR content identified above.
 - a) NEI and nuclear industry staff will periodically meet publicly with NRC staff to clarify the conceptual approach and general content expectations for the templates.
 - b) The templates will be intended to provide an approach that can be consistently applied by all applicants and vendor types. It is expected that these templates will be incorporated by reference in applications.
 - c) Upon completion of the drafting process, NEI will submit the templates to the NRC as NEI numbered topical reports for review.
 - d) NRC will review the proposed templates, provide RAIs as necessary, and ultimately issue one or more SERs on the final form of the templates. We suggest 90 days as sufficient to complete the review process and issue the SER(s). Assuming all templates are submitted to NRC by September 30 (see submittal schedule below), SERs would be issued by December 31, 2007.
 - e) Until such time as the SER(s) is issued and available for use, COL and DC applications may refer to the NEI topical reports. It is expected that near-term applications would state "This section incorporates by reference NEI 07-XX", and for radiological effluent monitoring programs, would identify the implementation schedule for the program. If necessary, the application would be updated as appropriate after SERs are issued on the final form of the NEI topical reports.
- 2) As with other operational programs, pursuant to SECY-05-0197, COL applications will contain a license condition for implementing the radiological effluent programs prior to fuel load, including development of procedures and other program documents. NRC staff will inspect the implementation of these programs through the Construction Inspection Program.
- 3) The template submitted to address Section 12.1 of a COLA FSAR (ALARA) will supplement the topical report submitted as NEI 07-03 on FSAR Section 12.5, Radiological Protection Program.
- 4) The target date for the submittal of generic templates as NEI topical reports for NRC review is as follows:
 - a) FSAR Section 12.1 (ALARA) – August 14, 2007
 - b) Cost-benefit analyses required by Appendix I – August 21, 2007
 - c) ODCM/RETS/REMP – September 30, 2007
 - d) PCP – September 30, 2007

In addition to pursuing the generic templates identified above, we agreed on July 24 to hold a public meeting as soon as possible to discuss a possible generic approach for COL and design certification applicants to comply with the contamination control requirements contained in 10 CFR 20.1406.

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As discussed on July 24, we request your reply to this letter as soon as possible to confirm the above understandings or identify any necessary adjustments. In particular, we are interested in confirming the process and schedule indicated above and that the NRC agrees it is acceptable for near-term COL and design certification applications to refer to NEI topical reports for which SERs have not yet been issued.

If you have any questions, please contact me or Ralph Andersen at (202) 739-8111; rla@nei.org.

Sincerely,



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